

Fig. 1

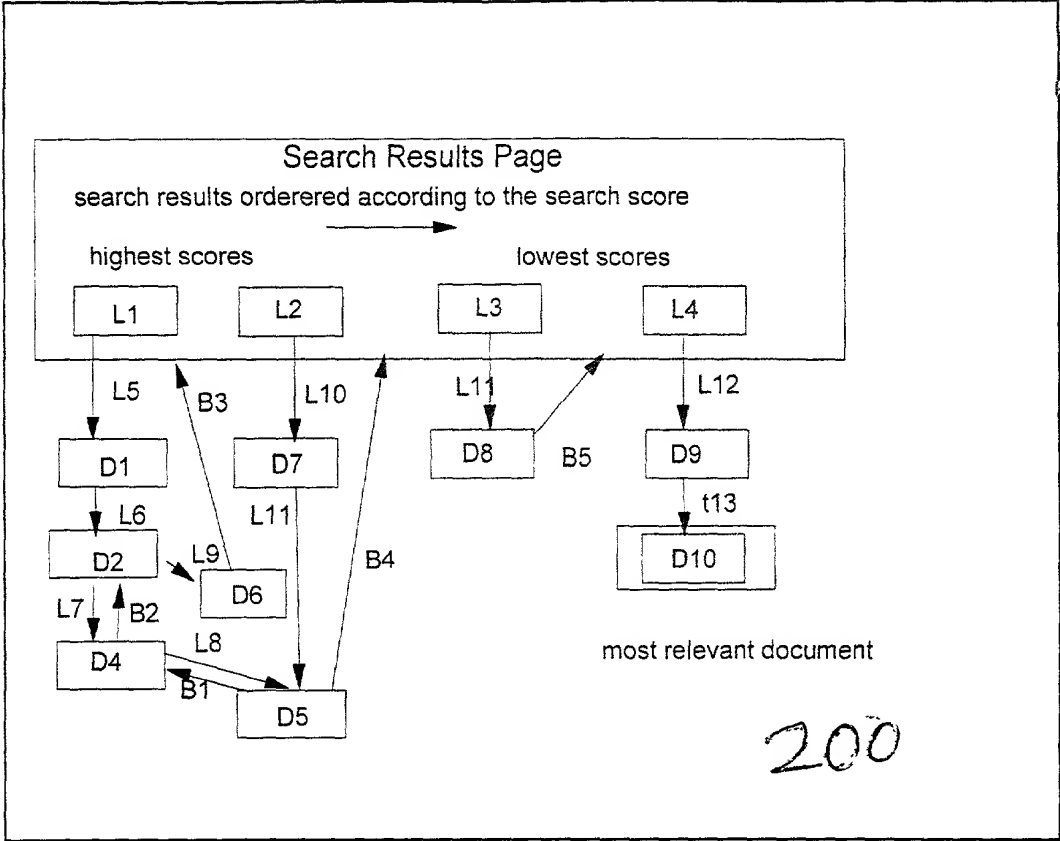


Fig 2

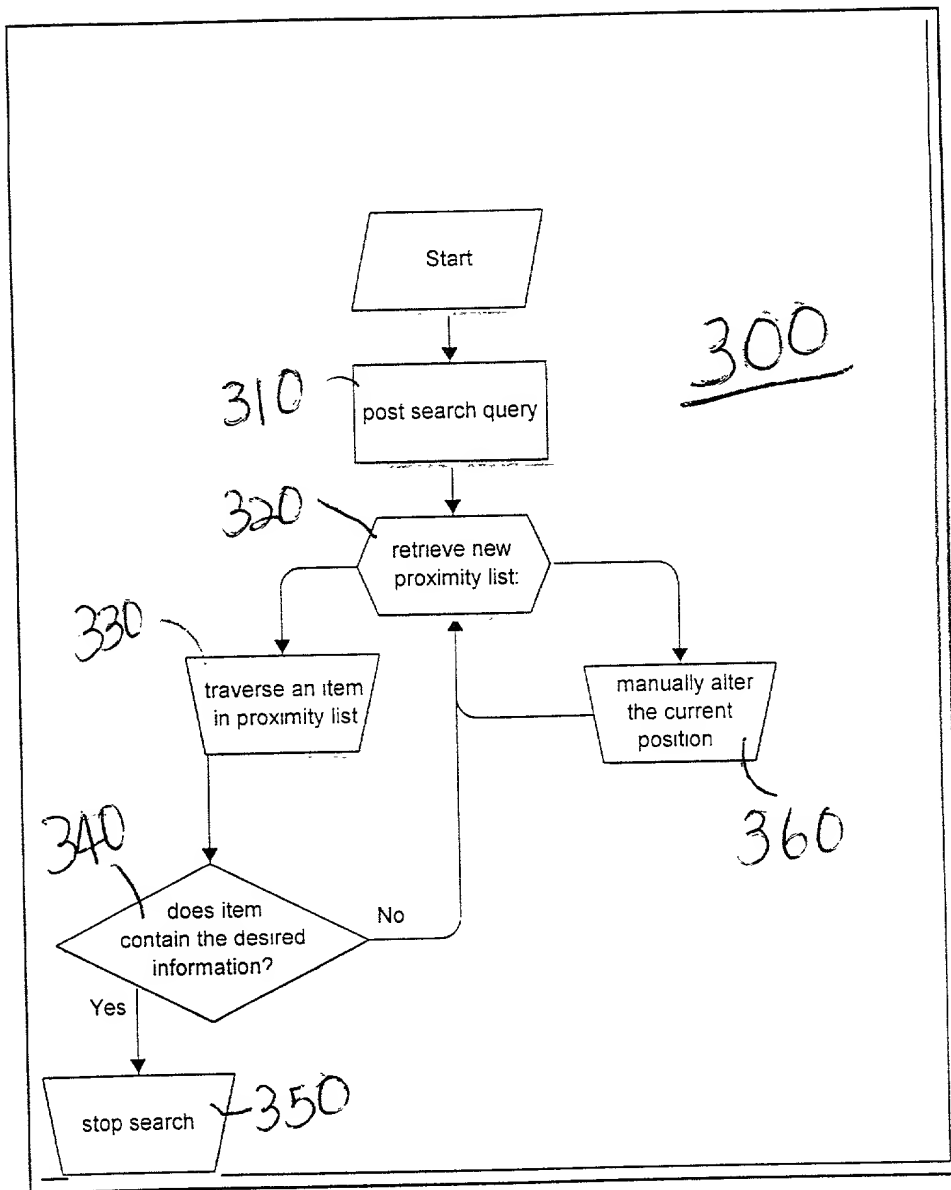


Fig 3

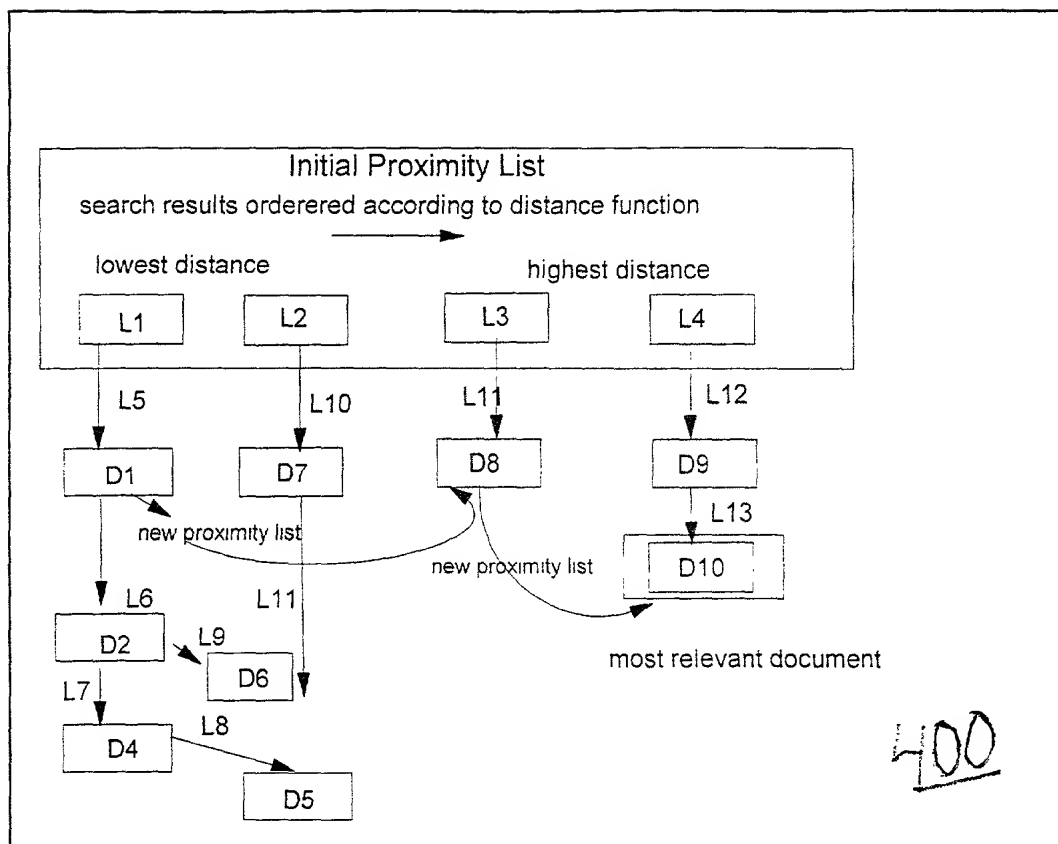
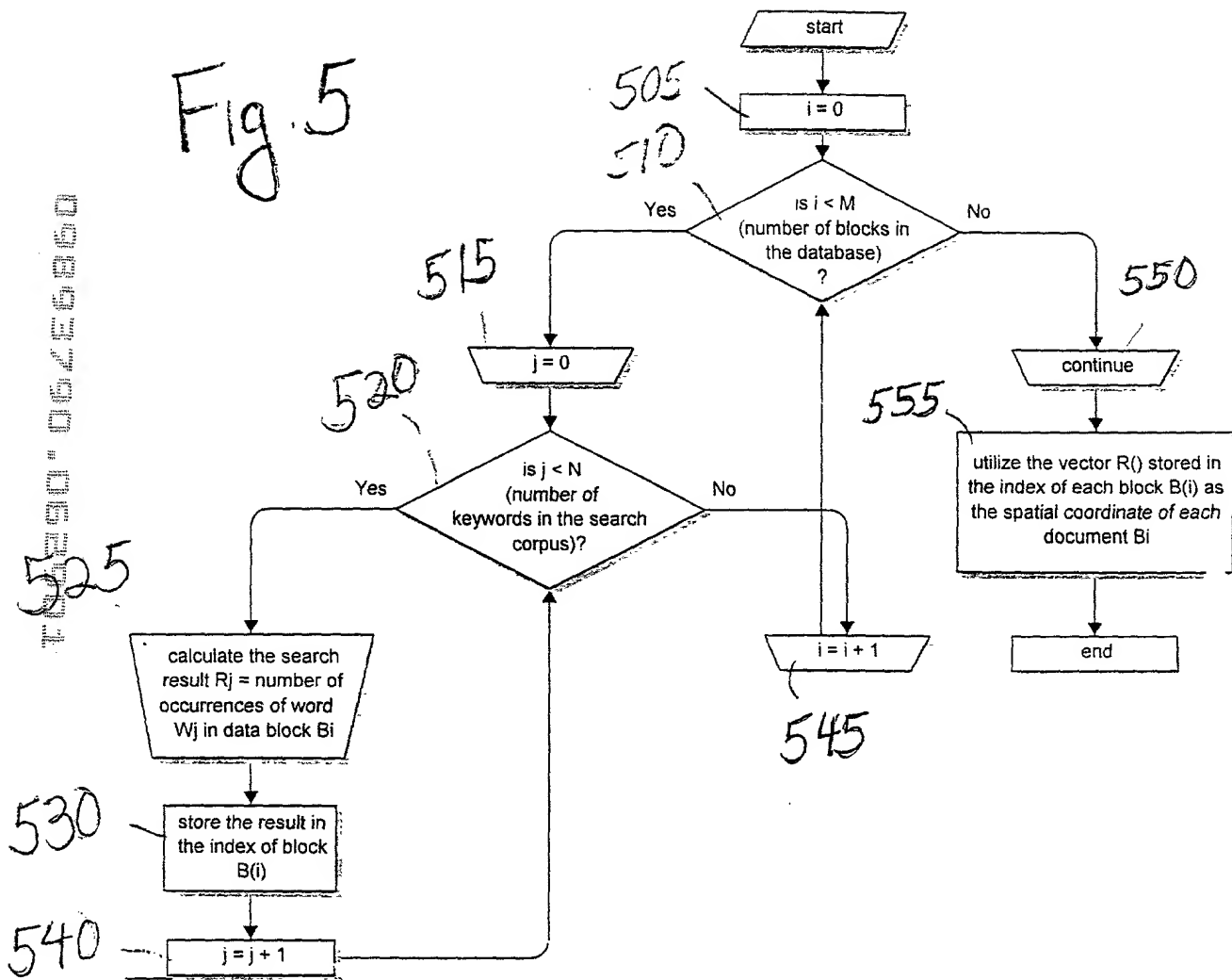


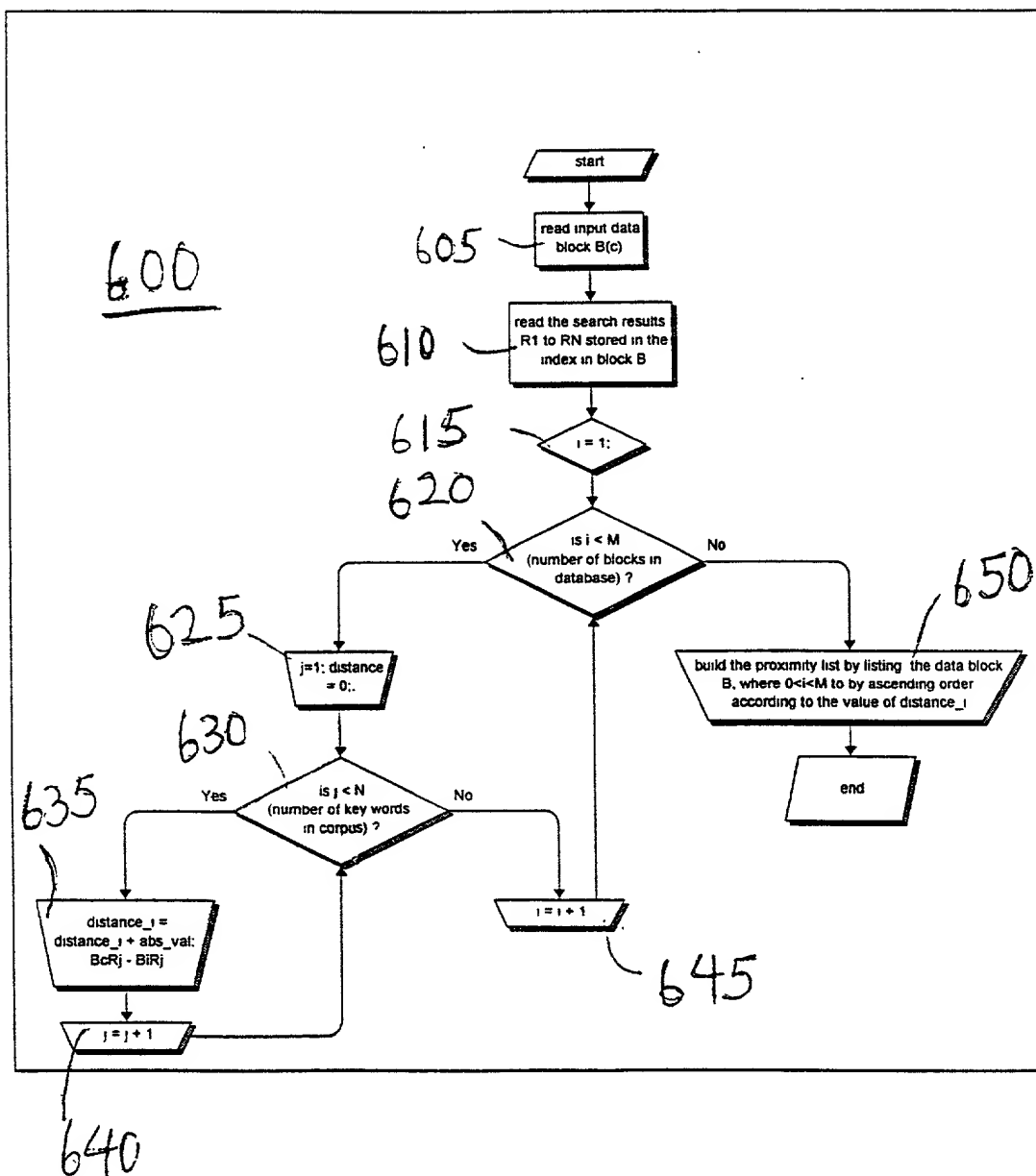
Fig 4

Fig. 5



500

Fig. 6



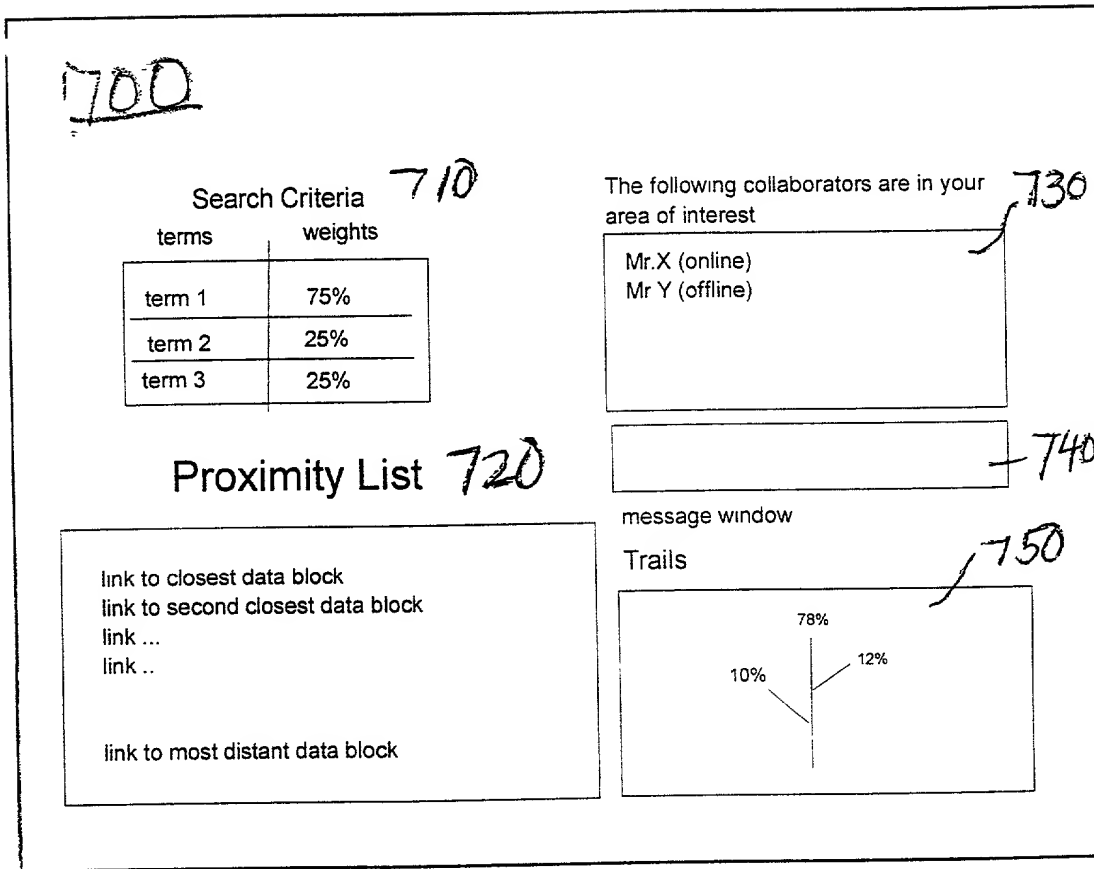


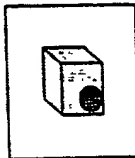
Fig. 7

Proposed Prototype: Collaborative Research Portal

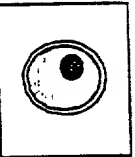
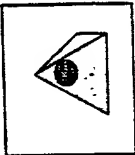
800

Search Results

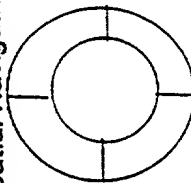
Closest results in cyberspace
Most likely trail matches



Three dimensional projections of the search space



Spatial Navigation



Number of navigational dimensions: 4

810

The following collaborators are in your
area of interest

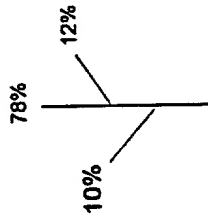
Mr.X (online)
Mr Y (offline)

830

840

message window
Trails

850



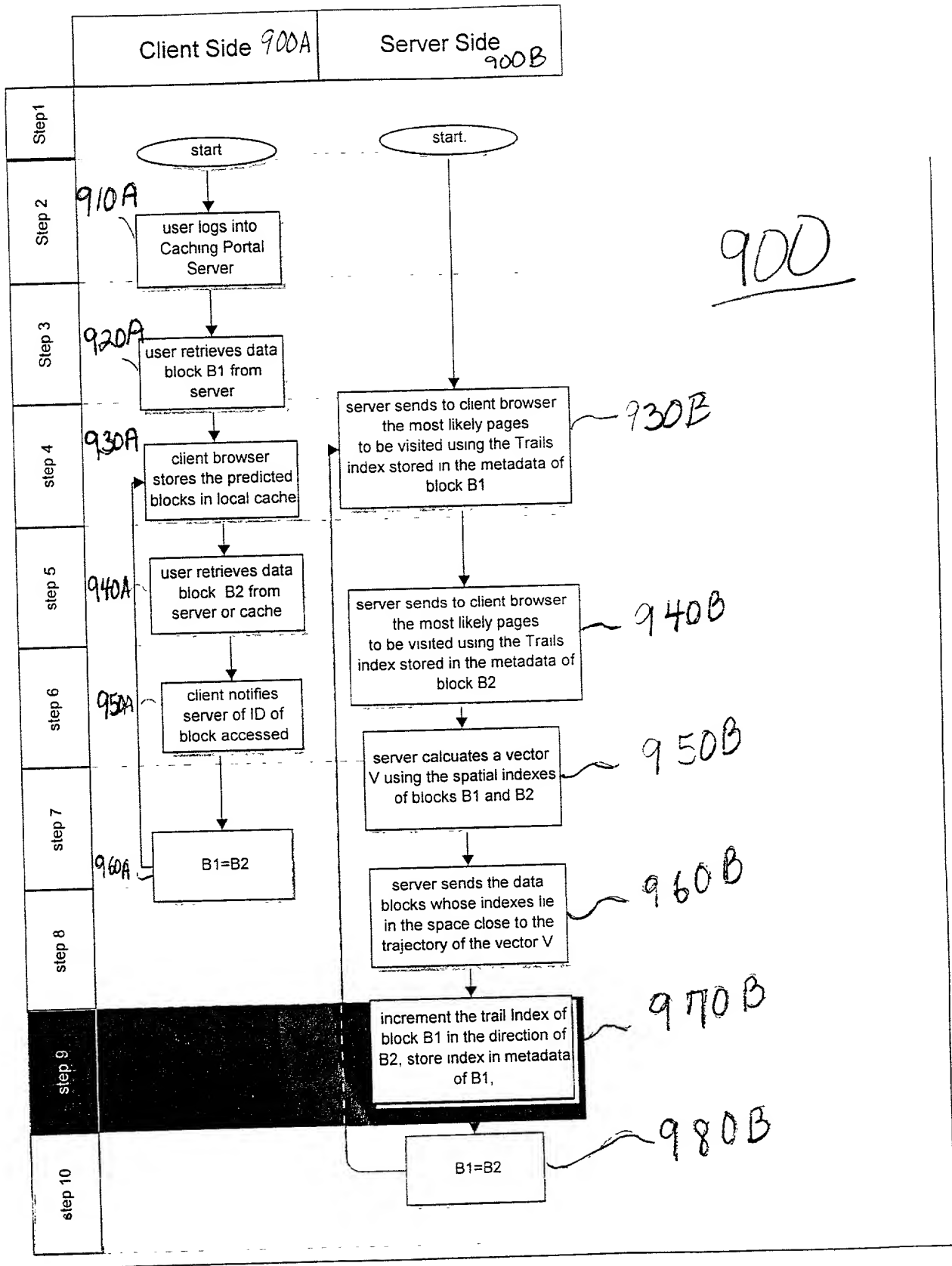
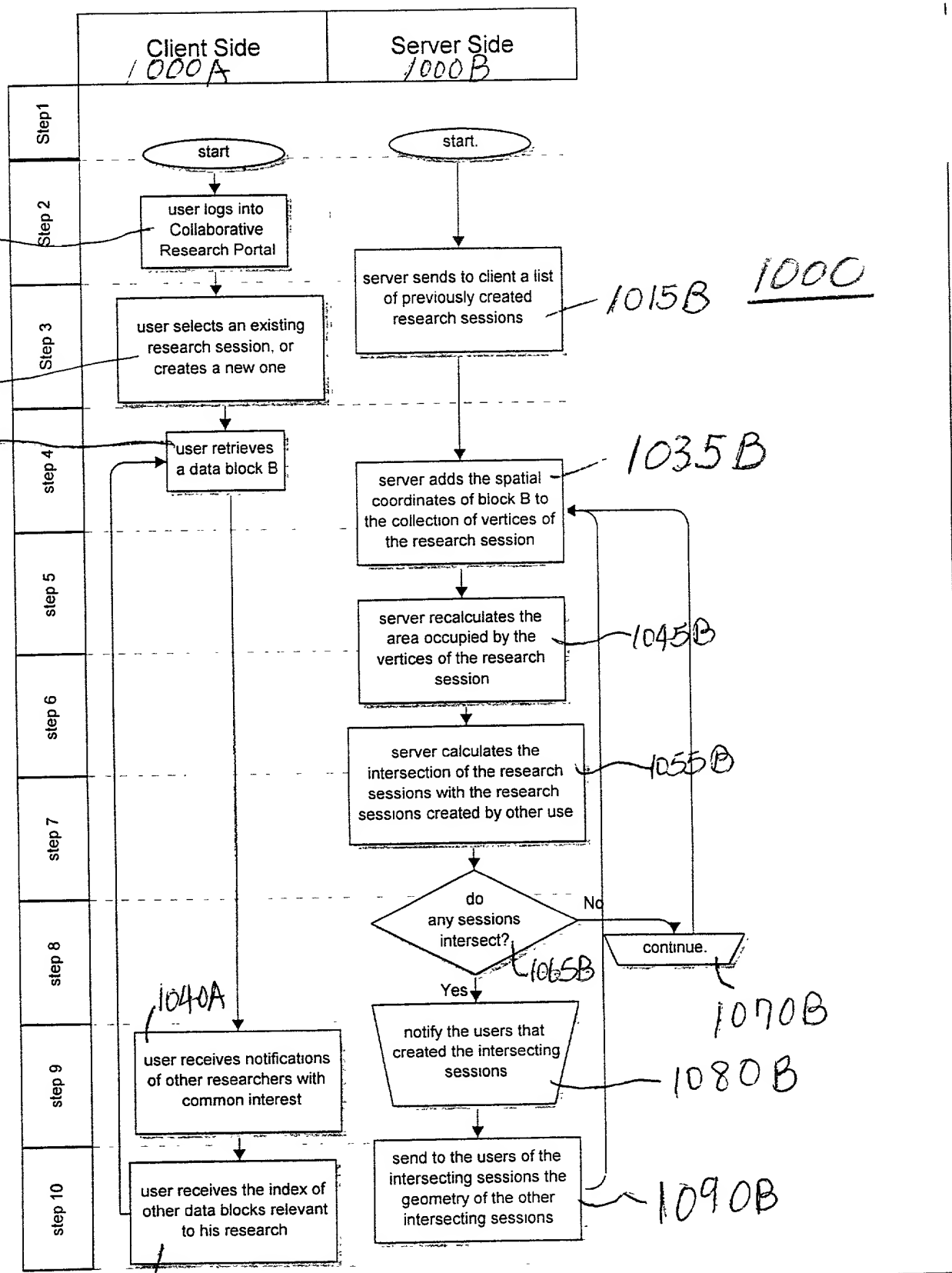


Fig. 9

10A
20A
30A
"06290" 064000



1050A Figure 10

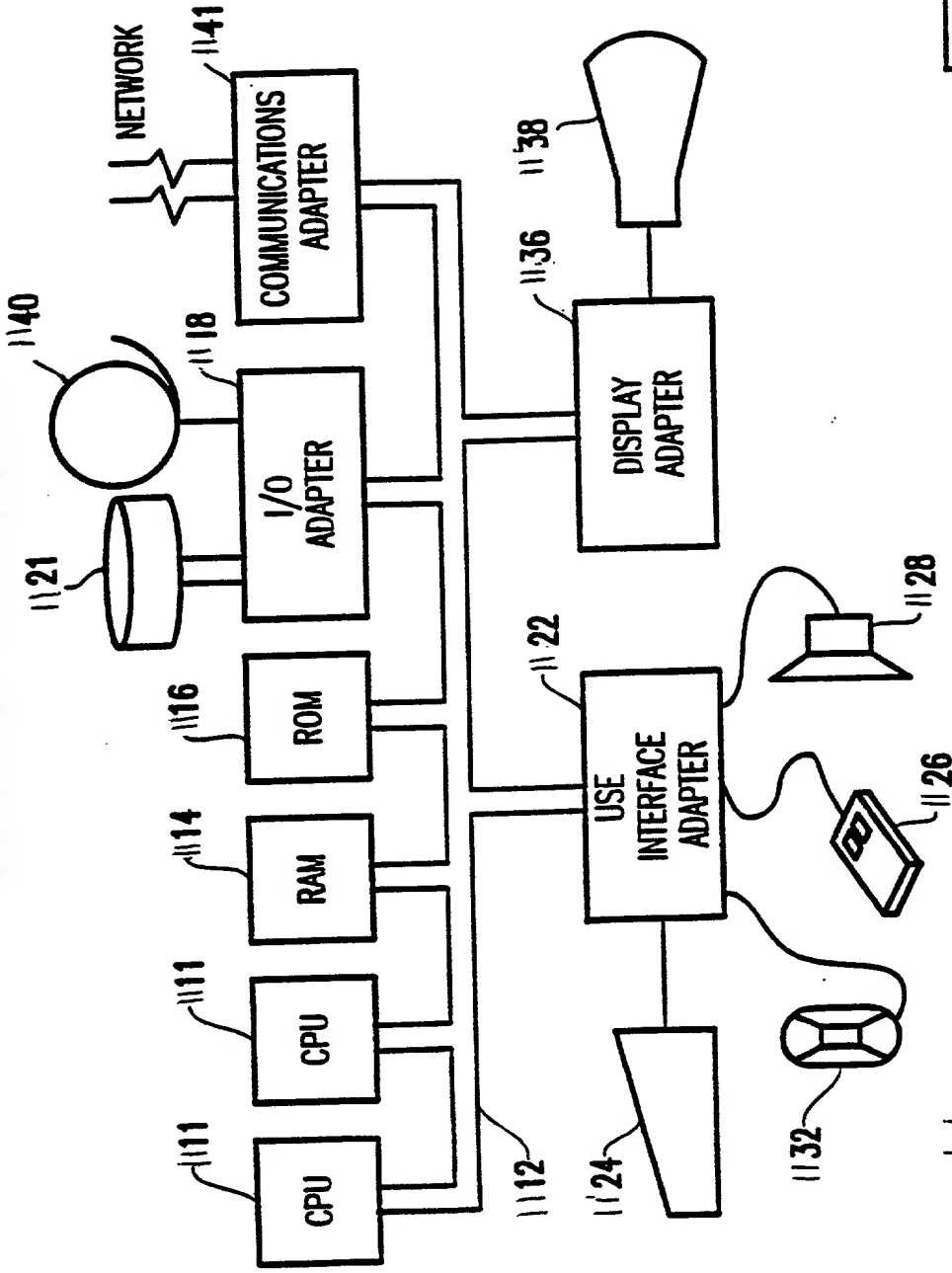


FIG. 11

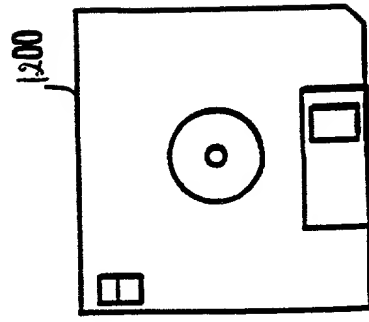


FIG. 12